

**Request to Archive  
With The National Centers for Environmental Information  
For Multilens Aerial Photography  
Provided by NGDC>STP>EOG**

**2013-05-29**

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

**1. Who is the primary point of contact for this request?**

Kim Baugh  
NGDC>STP>EOG  
303-497-4452  
kim.baugh@noaa.gov

**2. Name the organization or group responsible for creating the dataset.**

NOAA-NOS National Geodetic Survey

**3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.**

The data to be archived are air photos of US coastal areas spanning the late 1920's through the 1990's collected in flight lines. The primary objective of the collection was to provide source data for mapping shoreline positions. As such, the collection times of most flight lines was timed to capture mean high tide or mean low tide shoreline positions.

**4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)**

From 1920 to 1990

**5. Edition or version number(s) of the dataset:**

N/A

**6. Describe the level to which the data are processed. For example, are these unprocessed raw observations, derived parameters, quality controlled or inter-calibrated data, etc.?**

Data are scans of unprocessed (raw) air photos.

**7. Approximate date when the dataset was or will be released to the public:**

2014

**8. Who are the expected users of the archived data? How will the archived data be used?**

Environmental scientists researching coastal development and changes in coastal morphology. The data may be relevant to analysis of ongoing changes in coastal areas associated with climate change.

**9. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?**

Florida's Brevard County Historical Society found the data to be of high value and also of high public interest.

**10. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?**

NOS archives more recent air photo collections. The multilens collection was transferred to NGDC in 2004.

**11. List the input datasets and ancillary information used to produce the data.**

Air photos were scanned at 600 dpi resolution on a high end flat bed book scanner. The scanner was recalibrated on a daily basis including collection of scans on calibration sheets.

**12. List web pages and other links that provide information on the data.**

Text metadata for the flight lines (accessions) has been key entered. The flight positions have been digitized, along with the nadir positions of center frames marked on the flight lines.

**13. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.**

1. [http://www.ngdc.noaa.gov/eog/pubs/A\\_HISTORY\\_OF\\_FLYING\\_AND\\_PHOTOGRAPHY\\_IN\\_THE\\_PHOTOGRAMMETRY\\_DIVISION\\_OF\\_THE\\_NATIONAL\\_OCEAN\\_SURVEY.pdf](http://www.ngdc.noaa.gov/eog/pubs/A_HISTORY_OF_FLYING_AND_PHOTOGRAPHY_IN_THE_PHOTOGRAMMETRY_DIVISION_OF_THE_NATIONAL_OCEAN_SURVEY.pdf)

**14. Indicate the data file format(s).**

1. JP2

**15. Are the data files compressed?**

No

**16. Provide details on how the files are named and how they are organized (e.g., file\_name\_pattern\_YYYYMM.tar in monthly aggregations).**

MLxACC\_uvwxzy\_cvbd\_QTSWV

MLx - Multilens - x lens where x = 1,3,4,5,9

ACC\_uvwxzy - Accession number as is variable length

\_cvbd\_ - frame number variable in length can contain letters and numbers no padding

Q - frame letter (for five lens A,B,C,D,E)

T Type: Option include F=front, B = back

S - frame size T= typical, L=large, S=small

W - sample number (1,2,3) In cases where there are duplicates of the same size - scan them all.

V - version (1,2,3) in cases where more than one scan is collected of the same photo.

**17. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?**

<http://www.ngdc.noaa.gov/eog/multilens/index.html>

**18. What is the total data volume to be submitted?**

**Historic Data: all historic data or data submitted as a completed collection.**

Total Data Volume: 4TB

Number of Data Files: 30000

**19. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.**

No additional updates, revisions or replacement data are anticipated.

**20. Describe the server that will connect to the ingest server at NCEI for submitting the data.**

Physical Location: 325 Broadway, Boulder, CO

System Name: NOAA/NGDC

System Owner: NOAA/NGDC

Additional Information:

**21. What are the possible methods for submitting the data to NCEI? Select all that apply.**

1. FTP PULL

**22. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.**

1. User interface to order and stage data for download

**23. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?**

No known constraints apply to the data.

**24. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.**

These photographs were collected as primary source material for shoreline maps (T-sheets) produced by the National Ocean Service. The photos record land cover, built infrastructure, and geomorphic features from the early to middle parts of the previous century. By combining these photos with recent airborne or satellite imagery it will be possible to trace the evolution of coastal landscapes. The original film was not preserved. It is impossible to replace these photos. In many cases this collection contains the earliest air photo available for a specific location. Failing to archive will result in a loss in the historic record of coastal development of the USA. This would be a loss to the science and coastal management communities, but also a cultural loss to the public in general who have an interest in seeing the landscape as it was prior to the massive coastal development which has occurred since WW2.

**25. Are the data archived at another facility or are there plans to do so? Please explain.**

No

**26. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?**

No

**27. Do you have a data management plan for your data?**

No

**28. Have funds been allocated to archive the data at NCEI?**

No

**29. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.**

None.

**30. Is there a desired deadline for NCEI to archive and provide access to the data?**

Archive by: 2010

Accessible by:

**31. Add any other pertinent information for this request.**

None